1. **List of tables:**

* activity
* street
* day
* corporation
* authorized\_personnel

1. **Queries**

* CREATE TABLE activity (

activityId int PRIMARY KEY,

activityName string NOT NULL,

activityType string NOT NULL CHECK(activityType=’emergency’ OR activityType=’periodic’)

);

* CREATE TABLE street (

streetName string PRIMARY KEY NOT NULL,  
activityId int FOREIGN KEY REFERENCES activity(activityId),  
alternativeStreet string,  
streetStatus string NOT NULL CHECK(streetStatus=’closed’ OR streetStatus=’singlelane’

);

* CREATE TABLE day (

dayId date PRIMARY KEY NOT NULL,  
activityId int FOREIGN KEY REFERENCES activity(activityId),  
alternativeStreet string,  
streetStatus string REFERENCES street(streetStatus)

);

* CREATE TABLE corporation (

corporatioName string NOT NULL,

corporationAddress string NOT NULL,

corporationEmailId string NOT NULL,

corporationPhoneNumber1 int NOT NULL UNIQUE,

corporationPhoneNumber2 int UNIQUE

);

* CREATE TABLE authorizedPersonnel (

username string PRIMARY KEY NOT NULL,

password string NOT NULL

);